

**R****F****ORANGE COUNTY AMATEUR RADIO CLUB**

VOL. XXVIII No. 3

P. O. Box 3454, TUSTIN, CA. 92681

MARCH 1987

**R****E**

## **PUBLIC SERVICE COMMUNICATIONS**

**A****S**

What is RACES? (Hollywood Park or Los Alamitos, now doubt!) What is ARES? (Hm! Sounds short for ARIES, THE RAM!) Well, why not join us at Meeting on March 20, to hear 'Corky' Corcorran, D.E.C. for Orange County, enlighten us abt these two amateur radio organizations that are vital to us for continued Federal support of our favorite pastime!! Amateurs began organizing into service groups in 1913. Why? There are over 70,000 licensed OP's in ARES. What do they do? What is 'QRRR'? Is emergency service volunteer or required? What does Part 97, subpart F, of the U. S. Amateur Regulations provide? Learn how you can help in a RACES/ARES group. Corky, recently appointed District Emergency coordinator for Orange County, will fill us in on organizational plans for RACES. Besides an E.C. for Area 3, Corky will talk abt various plans & activities relative to school groups & how you can help. Corky has been an amateur radio operator since 1955-56. He has been wid Douglas Air-craft Co. fer 25 yrs. Now at the Huntington Beach plant, he is involved in engineering & electronic circuit simulations. Educational-ly speaking, this will be one of the most important meetings of the year. Don't miss it!!

**R****S****A****C****E**

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# 1987 CLUB BOARD of DIRECTORS

President	Jim Talcott	N6JSV	838-5395
Vice President	Lloyd Harwood	WB6ULU	538-7081
Secretary	Jeanie Talcott	KB6EVS	838-5395
Treasurer	Ken Konechy	W6HHC	541-6249
Activities Chairman	Ron Toering	KA6EVP	971-5180
Membership Chairman	Bob Eckweiler	AF6C	639-5074
Public Relations	Mac MacInnes	W6MIL	594-0442
T.V.I. Chairman	Frank Smith	WA6VKZ	492-3218
Member at Large	Kei Yamachika	W6NGO	538-8942
Member At Large	(Past President holds another position)		

## CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor	Bob Evans	WB6IXN	543-9111
Teen Representative	(open)		

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## CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:  
 MERCURY SAVINGS & LOAN  
 Mar 20th 1095 Irvine Blvd. (4th St becomes Irvine)  
 Tustin, Ca. Talk-in on 146.55 MHz  
 Apr 17th  
 (Take the 4th St. exit to the 55 FREEWAY  
 May 15th and head east. Continue about two blocks  
 past Newport Blvd. on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at:  
 LE GRAND CAFE  
 Apr 4th 2525 N. Grand Avenue  
 Santa Ana, Ca. (714) 997-5393  
 May 2nd  
 (1-1/2 blocks south of 22 FWY.)

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## CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHz	OPERATOR
2 Meters	FM	Wednesday	2100 hrs.	146.550	W6HHC
15 Meters	SSB	Wednesday	2000 hrs.	21.375X	AF6C
15 Meters	CW	Thursday	2000 hrs.	21.175X	WB6IXN

(Listen for W6ZE, net control) XPlus or minus QRM

## \*\*\* ON THE NETS \*\*\*

2/4 15m phone net - AF6C calls IXN abt 15m TVI wid his neighbor. Bob asks IXN to act as net control. IXN checks in NG7D, LAB, & RE. NG7D got his tape recorder working. LAB was listening to W1AW to increase his code speed for upgrading. John will also be building a 4 to 500 watt grounded grid linear for 40m. EUO, Gary, checks in & is listening on more than one band! NG7D has also repaired his TV ant. for better reception and less TVI! RE tells us that LJA, Ted, is fine & he checks in on the noon 2m net. 2/4 2m phone net - AF6C acts as net control for HHC. Checking in were BPX, RE, & JSV. Topics of interest were ARRL TVI books, BPX's 'crop' reports (where was NGO!), and a guest speaker from FCC. 2/5 15m CW net - IXN checks in MZM & LAB. MZM got his 940-S back frm servicing last Sat. He likes the 100W & the iambic keyer! LAB will begin winding the filament choke for his new amp. IXN has a 12 volt pwr supply torn apart on the floor of the shack...finally discovered a bad fuse socket. MZM was ill for past 3 days, but managed to work some DX on 15. John 73's & leaves the net to work on the linear. MZM & IXN agree that CW is a fun mode of operation! We close the net after discussing the Federal Reserve release of 'easy money', & the wild American Stock Exchange. 2/11 15m phone net - Tennessee Valley Indians forces AF6C to retreat to the shack of NGO, where they are joined by HHC. AF6C checks in HHC, NGO, NG7D, LAB, COJ, GDZ, RE, & EUO. THIS IS BY FAR OUR LARGEST NET TURNOUT!! RE informs us of the needs of OP's for the Mar. 1 LA Marathon; also to listen on 2/12 at 9:30 pm local on 6165 or 9715 for a program on Netherlands hams. RE also gives COJ a lead on a printer, Broadway Press, to do a logo for 'RF'. COJ reports no progress on logo to date. IXN asks NGO abt 'cow manure' on sale. The 'BIG 3' (NGO, HHC, & AF6C) thought IXN was talking abt 'Commodore' computers! As a result, IXN is now looking for a sale on Commodore 'Chips' for his flower beds! Oh, oh! A sudden rise in QRN at NGO's shack! Reason? Lord Robert, AF6C, has just inducted HHC into the Royal Order of the 'Four Eyes'! Seems that HHC misses too many freeway exits, as a result of his continued recovery from a 'breezing' trip thru 6 European countries in 12 days!! EUO, Gary, running remote, checks in, but only COJ & GDZ can hear him. GDZ was overjoyed at having finished his medical treatments. He has known Ted, LJA, since 1958. While COJ is holding hands wid the 'snow birds', LAB brings us up-to-date on his 40m linear. NGO reports that he has been victorious over the weeds, & that 15m is agn open in the mornings. 2/11 2m phone net - HHC issues the call for checkins frm the shack of NGO, wid AF6C & NGO on the side. ULU, OUR NEW V. PRES., RE, NG7D, & GDZ check in. RE presented the Westlink Tapes, & Novice privileges was another popular subject for the OM's. 2/12 15m CW net - IXN is in S. Laguna on business. MZM & LAB meet informally on the net, & they are soon joined by NX6M, Eric, frm Yorba Linda. Nice to hve U wid us, Eric. See you nxt Thurs! Eric is an engineering student at Cal. State Fullerton. The net cont'd for 1 1/2 hours! Need CW practice? Join us! MZM will be taking his test for General on Sat! Gud Luk, Dan! 2/18 15m phone net - The net was informal. IXN called W6ZE but Bob's QTH was quiet! But MZM was waiting on the side, so IXN acted as net control. Checking in were: ULU, LAB, NG7D, EUO, RE, COJ, & GDZ. ULU will call IXN on the 'twisted pair' when he gets info. on the March program. Congrats, Lloyd, for accepting the Vice Pres. position for OCARC. NG7D has been improving his latest Heathkit project. He told us that Gordon West plans a program on Novice Enhancement at the Hotel Marriott. After tuning us all in on the 'rainspout', RE informs us that he finally planted the lemon tree. (now for a frost-free Spring) Congrats, Dan, on ur recent upgrade! EUO checked in briefly & GDZ was playing wid his 'Flight Simulator' program on the cow manure (er I mean..Commodore!). RE read 2 ARRL Bulletins. HURRAY! The zoning regulation against all antenna towers in Lakeside Park, KY., has been set aside! MZM & EGC gave away their 'mini-quad' & got a Butternut ant. Not liking the directivity of the 'BN', it has been replaced wid a new mini-quad! RE informed us of 2 10m beacons at 28.2 & 28.3MHz, which can be used to monitor 10m band openings!

(On The Nets...cont'd)... 2/18 2m phone net - HHC checks in MZM, ULU, BFX, JSV, RE, & WT6A, Bob. Wow! Nice turnout, OM's!! RE played the Westlink tapes, amongst other topics of discussion. 2/19 15m CW net - IXN calls for check-ins. MZM & LAB respond. EGC cannot make the Fri. meeting. Then, MZM is attacked by Tennessee Valley Indians! Mom complains, so MZM 73's! LAB passes along condolences to MZM & 73's to work on the 40m linear. 2/25 15m phone net - IXN calls W6ZE, but AF6C, HHC, & NGO are nowhere to be found! IXN acts as net control & we check in NG7D; MZM; OVU, Darrell; IVP, John; EUO; RE; & LAB. And OCARC members! MZM eyeballed wid former Pres. HNY, Robin, who is a 3rd year law student. Living at the same QTH, Robin plans to get back on the air in the future. NG7D missed his examination last Fri...no ride! EUO worked us remote wid gud sigs! MZM & OM like their new MK-2 mini-quad. OVU wants to move the ham station frm Garden Grove High to Bolsa Grande H.S. RE read ARRL Bulletins #s 14 & 18, regarding FCC dropping the ARRL petition to release 18.068-18.168 MHz for amateur use, & info. on Novice Enhancement respectively. Agn, RE hears us all better on the 'rainspout' ant. IVP is retired & lives in Santa Ana. He worked at CSULB as a Technician in the School of Natural Science. He also learned, from experience, that a balun coil will not tolerate a high SWR! 2/26 15m CW net - IXN checks in ALB & MZM. LAB has the power on the linear up to 312 watts wid 40 watts of drive. John tweaks up the power by moving the tap on the cathode coupling coil while monitoring grid dip. MZM checks out quickly! (TVI or homework) LAB, MZM, IXN, and ULU invite you to join us in the CW fun! As IXN closes the net, ULU checks in. We discussed the upcoming program for Mar. meeting.

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At March meeting, 6 FREE RAFFLE TICKETS will be awarded to Bob, AF6C, and Jim, JSV, for their continuing contributions to 'RF'! How about you! Submit an article for 'RF' and claim your raffle tickets. Give articles to me at meeting or send them to: Bob Evans, 701 S. Kilson Dr., Santa Ana, CA. 92701.



\*\*\* OCARC MEETING FEBRUARY 20, 1987 \*\*\*

Meeting opened with salute to the flag led by Jim, JSV. Roll call by Jeanie, EZS, revealed that all Board Members, except Mac, MIL, were in attendance.

Jim, JSV, introduced our guest speaker for the evening, Allan Enderle. Allan shared some of his adventures and primarily spoke of one of his latest ventures: Exploring Owens Lake for 70 tons of silver bullion. He told of the advanced technique that is being used to locate a ship which sunk there more than a hundred years ago. He answered questions from members after he spoke. A very interesting topic.

Jim, JSV, announced that Lloyd Harwood, ULU, had agreed to be our new Vice President.

Minutes of the last meeting were approved as printed in the RF.

Ken, HHC, gave the Treasurer's report showing a balance in the checking account of \$241.29.

Frank, VKZ, was awarded his Past President's gavel by Jim, JSV.

Jim, JSV, announced that the Club is moving to a new location for our monthly breakfast. We will meet at "Le Grande Cafe", 2525 N. Grand Ave, S.A., the first Saturday of each month at 8:00 a.m. Everyone is invited!

It was announced that the theme of the 1988 Rose Bowl Parade will be "World Wide Communications". Do you have an idea for a float for "Amateur Radio"? Ideas are welcome and may be submitted to Fried Heyn, WZO, telephone, 549-8516.

Several announcements were made by Bob, IXN, including the fact that our Club will receive \$5.00 refund for each new member joining AARL.

It was announced that between 75 and 100 hams are needed for the Whittier Bike Challenge to be held on 4/25/87. There will be 3,000 bikers involved. Those volunteering will receive a free tee shirt, pen and chicken dinner. If interested, contact Dave Haring, KE6FW, telephone 941-7707.

Come learn more about Packet at Mercury Savings, Buena Park, without expense. On the fourth Sunday at 1:30 pm..

Alex made several announcements including one about "Novice Enhancement". All pertinent information will appear in RF.

Fried Heyn, WZO and Sandy, WZN, were guests and Fried made several announcements:

- 1) A foundation is being formed to raise funds for a museum and station on the ranch property of Don Wallace, W6AM.
- 2) The Southwest Convention, '87 will be held in Scottsdale, AZ.
- 3) Convention to be held at Disneyland Hotel in '88 ; free parking has been arranged.

Jim, JSV, announced that the Novice/Tech class will be held at Sears Savings, Irvine Blvd, Tustin, beginning on May 2nd. at 9am. Bob IXN will teach code and Bob, AF6C will teach theory.

Frank, VKZ, reported about our upcoming Field Day to be held jointly with Beach Cities Club. He will keep us up to date on the details.

Bob, AF6C, Membership Chairman reported that our visitors this month were as follows: Daryl Johnson, N6OVU; Karl Klos; David Bap, KH6BAN; Martin Raymond, WB6PEX (former President); Howard Atwell, KA6CZI (former member). Also, Bob reported that 8 persons paid their dues this month.

Meeting was turned over to Ron, ELP, at 9:25 for the raffle. Great prizes! Ron mentioned that Industrial Electronics had been very helpful to the Club and urged members to take one of their business cards and drop in when they had a need.

Respectfully submitted,

Jeanie, EZS, Secretary

## \*\*\* BOARD MEETING MINUTES \*\*\*

The meeting was called to order at 9:15 am on March 7 by Pres. JSV at Le Grand Cafe in Santa Ana. Absent were MIL & VKZ. Recruitment activity for the upcoming Novice/Tech Class was discussed. EZP will put extra copies of 'RF' in HRO & other locations. The Board discussed printing handouts abt the N/T Class for display & distribution at TRW Swap Meet. AF6C may be able to distribute handouts at North Orange County Swap Meet. HHC will advertise the Class on Packet. The Board next discussed inviting key members of the Beach Cities Club to next Board Meeting to discuss plans for our joint Field Day. WHO HAS THE CLUB BANNER?!! (Is it at VKZ's QTH?) ULU was welcomed to the Vice Presidency, & Lloyd has already confirmed March & April meeting speakers! EZS read minutes of the last Board Meeting & they were approved as read. 'RF' copies will be increased to 100 for March. ULU announced that AARA is giving CW practice at 7 pm local on Mon., Wed., & Fri., on 146.79 MHz. Ron, EZP, has volunteered as a backup teacher for AF6C on theory for the N/T Class. Present at Board Meeting were: EZP & XYL; EZS & JSV; HHC & XYL; NGO & XYL, & 2nd Cousin frm Tokyo!; Jane; VQL; AF6C; BPX & XYL; & ULU. Meeting adjourned at 9:15 am.

Respectfully submitted, Jeanie, EZS, Secretary

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QST!! Capt. Chris Breller, KA6IMP, will be listening in the Pacific Theatre at 7:00pm local time on 14.300 MHz, CW, for calls frm Club members! Chris' call will be KA6IMP/MM3. Break out that rusty key & try a contact wid Chris!!

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QST!! The DAYTON AMATEUR RADIO ASSOCIATION is now accepting applications for its annual \$1,000 Scholarships! LICENSED AMATEURS GRADUATING FRM HIGH SCHOOL in 1987 are eligible. Please make this known to any amateurs in your area who may qualify. For further info. & application forms, write: DARA SCHOLARSHIPS, 317 Ernst Ave., Dayton, Ohio 45405.

## \*\*\* NOVICE ENHANCEMENT \*\*\*

ARRL BULLETIN NR 13 concerning PR DOCKET 86 161, Novice Enhancement - A summary:

1. Novices & Techs may operate 28.1 thru 28.5 MHz, IVG, CW; Digital modes frm 28.1 to 28.3 MHz; & CW, digital and voice modes frm 28.3 to 28.5 MHz. Novice/Tech control operators are limited to 200 watts output in this band.
2. Novices may use up to 25 watts in 222.10 thru 223.91 MHz wid all authorized emissions.
3. Novices are limited to 5 watts in the 1270 thru 1295 MHz band.
4. No Novice Class Operator shall be in Repeater, Auxiliary, or Beacon operation.
5. Two VES will be required to administer future Novice exams, which shall consist of 30 questions. FCC form 610 will be revised to show two VES signatures.
6. Present licensed Novices & Technicians are grandfathered into the new privileges.
7. Element 3 is divided into two parts: 3A & 3B, each examination to consist of 25 questions. Present Techs will be given credit for having passed both elements. In the future, upgrades to Tech will only have to pass element 3A, and future Techs upgrading to General will have to pass both elements 1B, 13 wpm, and element 3B. Complete text of new rules will appear in April QST.

## \*\*\* AMATEUR RADIO FLOAT FOR THE 1988 ROSE PARADE \*\*\*

The theme for the 1988 Rose Parade is "Worldwide Communications". We need your help! What should we put on the float? Give us your ideas! Put your ideas on paper, in words, or better yet, draw them. So put on your thinking caps! Your ideas will be pooled together so that an amateur radio float will show others about amateur radio. Turn in your ideas by April 1, 1987. Contact: Bob Hastings, K6PHE, 854 Bernard Dr., Fullerton, CA. 92635 (714) 990-9203, or, Fried Heyn, WA6WZO, 962 Cheyenne St., Costa Mesa, CA. 92626 (714) 549-8516.

Before the

FEDERAL COMMUNICATIONS COMMISSION

Washington, DC 20554

In the matter of )  
Amendment of Part 2 )  
of the Commission's Rules ) General Docket 87-14  
Regarding the Allocation )  
of the 216-225 MHz Band. )

COMMENTS OF

(Name)

(Address)

Your comments go in this area.

Some reasons you could use for objecting to General Docket 87-14 are:

1. 220-222 MHz is fully utilized in Southern California, but those co-ordinations haven't been brought to the attention of the ARRL by the 220 Spectrum Management Association.

2. The portion of the band that would remain would be severely congested by the displaced users of 220-222 MHz in conjunction with the addition of novices with enhanced privileges.

3. There would be no reasonable place to relocate the high speed packet channels and numerous control links. The few that could find new homes would be forced to absorb substantial costs for the necessary re-work.

4. The band is growing rapidly in popularity due in no small part to the radio manufacturer's relatively recent commitment to 220 as evidenced by a flood of new 220 equipment.

5. While there is some available spectrum in the bands above 450 MHz, there is very little commercially available equipment and what there is tends to be very expensive, and suffers from poor propagation characteristics.

6. The tropospheric propagation characteristics of the 220 MHz band are unique. Therefore the experimental activities on the band could not tolerate a move to another band.

Close with a sentence stating your objection to General Docket 87-14.

Editor's Note: Deadline for filing comments before FCC is April 6, 1987!

Respectfully submitted,

Your signature

Your name (typed or printed)

Your address

Date of your comments

(Frm WB6YMH-2 Bulletin Board via AF6C...Tnx, Bob)

(714) 871-7000

MIKE NASH

*Industrial Electronics Inc.*

Industrial Electronic Parts

232 Orangefair Mall  
Fullerton, CA 92632

## NOVICE/TECH LICENSE CLASS !!!

Get that long awaited Novice/Tech license!! Join us May 2nd at Sears Saving Bank, corner of Holt & Irvine in Tustin, 9:00 am to 12 noon. Both code & theory instruction will be included. ..././/-.--/--/..-//  
-/. ...././/.-././!!

Ron, EZP, has been buying our raffle prizes at a discount from Mike. So if you can't find that wayward part in the junk box, why not call Mike, or stop by Industrial Electronics to see if Mike has it!



ORANGE COUNTY AMATEUR RADIO CLUB

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FIRST CLASS!